

In the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application and is directed to the claims as amended in the international stage.

1. (Currently Amended) A knee prosthesis, ~~with~~ comprising a femoral prosthetic part (1) which forms a pair of condylar sliding surfaces (5), ~~with~~ a tibial part (2) which has tibial sliding surfaces (9) configured for cooperating with the condylar sliding surfaces (5), and ~~also~~ a coupling part (10) which connects the femoral and tibial parts (1, 2) ~~to one another~~ so that they ~~can~~ rotate about a rotation axis (12) approximately parallel to ~~the tibia~~ a tibial shaft when implanted,

the tibial sliding surfaces having ~~an area~~ (14) areas of normal contact which, when the femoral and tibial parts (1, 2) have the same anteroposterior alignment, ~~cooperates~~ cooperate with ~~the associated~~ corresponding condylar sliding surface (5) surfaces, and,

in front of the ~~area~~ areas of normal contact (14), ~~they slope~~ sloping upward with a radius of curvature ~~much~~ greater than the radius of curvature of ~~that part (13-15) of the~~ portion of the corresponding condylar sliding surface (5) cooperating with the tibial sliding surface, and

~~characterized in that the tibial sliding surfaces (9) also slope~~ sloping upward behind the ~~area (14)~~ areas of normal contact in such a way that, in the event of rotation, each of the ~~two~~ condylar sliding surfaces (5) remains ~~touching~~ in contact with its corresponding ~~the~~ associated tibial sliding surface (9) in front of or behind the area (14) of normal contact.

2. (Currently Amended) The prosthesis as claimed in claim 1, ~~characterized in that~~ wherein the rotation axis (12) is fixed in relation to the femoral and tibial prosthesis parts (1, 2) in ~~the~~ an anteroposterior direction.

3. (Currently Amended) The prosthesis as claimed in claim 1, ~~characterized in that~~ wherein the rotation axis (12) is displaceable in relation to the femoral and tibial prosthesis parts (1, 2) in ~~the~~ an anteroposterior direction.

4. (Currently Amended) The prosthesis as claimed in ~~one of claims 1 through 3~~ claim 1, ~~characterized in that the~~ wherein a portion of the condylar sliding surface corresponding to the tibial sliding surface has a radius of curvature of that part (13-15) of the condylar sliding surface ~~(5) cooperating with the tibial sliding surface (9)~~ that is substantially constant in ~~the~~ a flexion plane.

5. (New) The prosthesis as claimed in claim 2, wherein a portion of the condylar sliding surface corresponding to the tibial sliding surface has a radius of curvature that is substantially constant in a flexion plane.

6. (New) The prosthesis as claimed in claim 3, wherein a portion of the condylar sliding surface corresponding to the tibial sliding surface has a radius of curvature that is substantially constant in a flexion plane.